

ABSTRACT OF THE DISCLOSURE

An asynchronous transfer mode network, in accordance with the present invention, includes a plurality of remote terminals remotely disposed relative to a central office.

5 The remote terminals are connected by a ring with two paths.

The ring transfers signals thereon in opposite directions relative to each path. The central office feeds duplicate signals on each path. Each remote terminal includes a first

10 multiplexer for routing signals transferred on the ring to

and from an asynchronous feeder multiplexer. The

asynchronous feeder multiplexer is adapted to route

15 components of downstream signals on a first path of the ring to a destination and to replace the components of the

signals on the first path with copies of components of

signals running in an opposite direction on a second path of

the ring such that at any location in the network both paths

provide all signals.